

CLAIMS

What is claimed is:

1 1. A user interface for document component management system for interfacing
2 document management system users with said system, said user interface
3 comprising:

4 an ordering unit, users placing document orders through said ordering unit;

5 an authoring unit, users creating new document components and editing
6 existing document components through said authoring unit;

7 an administration unit, users selectively administering document assembly
8 through said administration unit;

9 a searching unit, users searching for components, documents and archival
10 published documents through said searching unit; and

11 a reporting unit, users receiving system reports from said reporting unit.

1 2. A user interface as in claim 1, said ordering unit including an interactive
2 publisher, users placing document orders interactively through said interactive
3 publisher; and

4 a secure ordering interface, user access to individual functions being
5 selectively controlled by said secure ordering interface.

1 3. A user interface as in claim 2 wherein said interactive publisher lists variable
2 data required to complete a document order, receives variable data from users
3 responsive to said lists, submits entered information to the document component
4 system for selecting document components and assembling selected documents into
5 a document for publication.

1 4. A user interface as in claim 3 wherein the secure ordering interface provides
2 users access to authorized individual ordering functions.

- 1 5. A user interface as in claim 1 wherein the authoring unit comprises:
2 a plurality of user in-boxes, text authors and reviewers viewing assigned
3 tasks through said user in-boxes;
4 a search and impact analysis interface, users searching for components,
5 documents, and previously published documents through said search and impact
6 analysis interface; and
7 a rules loading and configuration interface, business layer names and rules
8 being loaded through said rules loading and configuration interface.
- 1 6. A user interface as in claim 5 wherein users view the impact of revisions to
2 such components or documents through said search and impact analysis interface.
- 1 7. A user interface as in claim 5 wherein author users select tasks and manage
2 assigned documents and document components from a corresponding one of said
3 user in-boxes.
- 1 8. A user interface as in claim 7 wherein author users managing selected
2 document and document components, check assigned documents and document
3 components in and out and approve or reject documents and document components.
- 1 9. A user interface as in claim 8 wherein approved or rejected documents are
2 forwarded to an appropriate stage in the workflow process.
- 1 10. A user interface as in claim 8 wherein approved or rejected documents are
2 passed back to an appropriate stage in the workflow process.
- 1 11. A user interface as in claim 7 wherein users selectively search authorized
2 individual items based upon security access authorization provided from said
3 ordering unit through said search and impact analysis interface.

1 12. A user interface as in claim 11 wherein said search and impact analysis
2 interface provides users with search results indicating documents including selected
3 document components.

1 13. A user interface as in claim 1 wherein the administration unit comprises:
2 a system administration interface, selected authorized users creating new
3 users, modifying user profiles for existing users and administering security through
4 said system administration interface;
5 a document specialist interface, new components and revised text being
6 received by a document specialist through said document specialist interface; and
7 a workflow administration interface, authorized users performing workflow
8 tasks and viewing workflow functions through said workflow administration
9 interface.

1 14. A user interface as in claim 13 wherein a document specialist interfacing
2 with said system through said document specialist interface receives any new or
3 revised text in word processor format, said word processor formatted text being
4 converted to the mark-up file, said mark-up file being verified for test and
5 production.

1 15. A user interface as in claim 14 wherein a document specialist also revises
2 text within a mark-up language file through said document specialist interface,
3 completes tagging functions and document type definition and schema alterations.

1 16. A user interface as in claim 15 wherein workflow functions administered
2 through said workflow administration interface include creating workflow templates,
3 modifying existing workflow templates, initiating specific projects, viewing project
4 status, viewing user in-boxes, viewing user in-box status and load balancing for a
5 particular user task.

- 1 17. A user interface for document component management system for interfacing
2 document management system users with said system, said user interface
3 comprising:
4 ordering means for placing document orders;
5 authoring means for creating new document components and editing existing
6 document components, document components being selectively collected for each
7 document order;
8 administration means for selectively administering to user profiles, system
9 security and workflow;
10 searching means for searching for components, documents and archival
11 published documents; and
12 reporting means for sending system reports to selected users, said system
13 reports providing information stored in said document management system.
- 1 18. A user interface as in claim 17, said ordering means comprises:
2 publishing means for publishing document orders interactively; and
3 secure ordering means for selectively controlling user access to individual
4 functions.
- 1 19. A user interface as in claim 18 wherein said publishing means lists variable
2 data required to complete a document order, receives variable data from users
3 responsive to said lists, submits entered information to the document component
4 system for insertion into one or more selected documents for publication.
- 1 20. A user interface as in claim 19 wherein the secure ordering means provides
2 authorized users access to individual ordering functions.
- 1 21. A user interface as in claim 20 wherein the authoring means comprises:
2 task viewing means for viewing assigned tasks; and

3 search and impact analysis means for searching for components, documents,
4 and previously published documents and viewing the impact of revisions to
5 identified components and documents.

1 22. A user interface as in claim 21 wherein the authoring means further
2 comprises:
3 means for checking assigned documents and document components in and
4 out; and
5 means for approving or rejecting documents and components and selectively
6 forwarding approved or rejected said documents along to an appropriate stage in the
7 workflow process.

1 23. A user interface as in claim 22 wherein the means for approving or rejecting
2 selectively passes back approved or rejected said documents to an appropriate stage
3 in the workflow process.

1 24. A user interface as in claim 21 wherein users selectively search authorized
2 individual items based upon security access authorization provided from said
3 administration means through said search and impact analysis means.

1 25. A user interface as in claim 24 wherein said search and impact analysis
2 means provides search results indicating including selected document components in
3 published documents.

1 26. A user interface as in claim 21 wherein said administration means comprises:
2 system administration means for selectively creating new users, modifying
3 user profiles for existing users and administering security; and
4 workflow administration means for performing workflow tasks and viewing
5 workflow functions.

1 27. A user interface as in claim 26 wherein said authoring means provides a
2 document specialist interfacing with said system any new or revised text in word
3 processor format, said word processor formatted text being converted to the mark-up
4 file, said mark-up file being verified for test and production.

1 28. A user interface as in claim 27 wherein said authoring means further includes
2 means for revising text within a mark-up language file, tagging text and altering
3 document type definitions and schemas.

1 29. A user interface as in claim 28 wherein said workflow administration means
2 includes means for creating workflow templates, modifying existing workflow
3 templates, initiating specific projects, viewing project status, viewing user in-boxes,
4 viewing user in-box status and load balancing for a particular user task.

1 30. A computer program product for interfacing document management system
2 users with said system, said computer program product comprising a computer
3 usable medium having computer readable program code thereon, said computer
4 readable program code comprising:

5 computer program code means for receiving document orders;

6 computer program code means for creating new document components and
7 editing existing document components, document components being selectively
8 collected for each document order;

9 computer program code means for selectively administering assembly of
10 collected said document components into a document;

11 computer program code means for searching for components, documents and
12 archival published documents; and

13 computer program code means for sending system reports to selected users,
14 said system reports providing information stored in said document management
15 system.

1 31. A computer program product as in claim 30, wherein said computer program
 2 code for placing document orders comprises:
 3 computer program code means for publishing document orders interactively;
 4 and
 5 computer program code means for selectively controlling user access to
 6 individual functions.

1 32. A computer program product as in claim 31 wherein said computer program
 2 code means for publishing document orders lists variable data required to complete a
 3 document order, receives variable data from users responsive to said lists, and
 4 submits entered information to the document component system for insertion into
 5 one or more documents selected for publication.

1 33. A computer program product as in claim 32 wherein the computer program
 2 code means selectively controlling user access authorizes individual ordering
 3 functions.

1 34. A computer program product as in claim 33 wherein the computer program
 2 code means for creating new components and editing existing components
 3 comprises:
 4 computer program code means for displaying assigned tasks to authors and
 5 reviewers;
 6 computer program code means for searching and identifying components,
 7 documents, and previously published documents and indicating impact of revisions
 8 to identified components and documents; and
 9 computer program code means for loading business layer names and rules,
 10 and directing document assembly responsive to loaded said business layer names and
 11 rules.

1 35. A computer program product as in claim 34 wherein said computer program
 2 code means for displaying comprises:

3 computer program code means for authorizing task selection by a
4 corresponding author; and

5 computer program code means for managing assigned documents and
6 document components.

1 36. A computer program product as in claim 35 wherein the computer program
2 code means for managing assigned documents and document components comprises:

3 computer program code means for checking assigned documents and
4 document components in and out; and

5 computer program code means for approving or rejecting documents and
6 components and passing approved or rejected said documents along to an
7 appropriate stage in the workflow process.

1 37. A computer program product as in claim 36 including computer program
2 code for selectively searching authorized individual items based upon a security
3 access authorization.

1 38. A computer program product as in claim 36 wherein said computer program
2 code means for searching provides search results indicating including selected
3 document components in assembled documents.

1 39. A user interface as in claim 36 wherein said computer program code means
2 for administering comprises:

3 computer program code means for selectively creating new users, modifying
4 user profiles for existing users and administering security.

1 40. A computer program product as in claim 39 wherein said computer program
2 code for receiving new components and revised text converts any received new or
3 revised text from a word processor format, to a mark-up file and verifies said mark-
4 up file for text and production.

1 41. A computer program product as in claim 40 wherein said computer program
2 code means for performing workflow tasks includes computer program code means
3 for creating workflow templates, modifying existing workflow templates, initiating
4 specific projects, displaying project status, displaying a user in-box, displaying user
5 in-box status and balancing a load for a particular user task.